

Divide the polynomials using Synthetic Division.

1.  $(x^3 + 8x^2 + 8x - 35) \div (x + 5)$

2.  $\frac{x^5 - 5x^3 - 5x - 8}{x + 2}$

3.  $(x^4 - 10x^2 + 9) \div (x - 3)$

4.  $\frac{x^4 + 12x^3 + 54x^2 + 108x + 81}{x + 3}$

5.  $(x^4 - 3x^3 + 2x) \div (x - 1)$